

PATENT**REMARKS**

The Office Action dated January 14, 2005 has been received and carefully considered. In this response, claims 1, 7, 14-20 and 24 have been amended to recite the additional limitations recited by claims 10 and 30. Accordingly, claims 10 and 30 have been canceled. Reconsideration of the outstanding rejections is respectfully requested based on the following remarks.

Telephonic Interview of April 12, 2005

At the outset, the undersigned notes with appreciation the courtesies extended by the Examiner during the telephonic interview of April 12, 2005. As a result of the interview, it was agreed that Patel failed to disclose at least the limitations of (1) a second seed key to encrypt communications and (2) generating the second seed key using a first seed key and a public encryption key as substantially recited by all of the independent claims and (3) the limitations of (1) and (2) in the context of a video controller. Accordingly, the Applicant has amended the claims to reflect the limitations of (1) and (2) in the context of a video controller.

Anticipation Rejection of Claims 1-5, 7 and 12-16

At page 2 of the Office Action, claims 1-5, 7 and 12-16 were rejected under 35 U.S.C. Section 102(e) as being anticipated by Patel (U.S. Patent No. 6,243,811). This rejection is respectfully traversed with amendment.

Claim 1, from which claims 2-5, 7, 12 and 13 depend, has been amended to recite the limitations of establishing an encrypted link between a peripheral device and a software component, wherein establishing the encrypted link includes generating, at a video controller, a first seed key common to both the peripheral device and the software component; providing the first seed key and a public encryption key associated with the peripheral device to a video controller; and generating at the video controller, using the first seed key and the public encryption key, a second seed key different from the first seed key, the second seed key to encrypt communications between the software component and the video controller. Claim 14, from which claims 15 and 16 depend, has been amended to recite a video controller comprising a

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processing circuit to generate, using a first key and a public encryption key, a second seed key, said second seed key to encrypt communications between a software component and a video controller. As acknowledged by the Examiner during the telephonic interview, Patel fails to disclose a video controller that generates a second seed key using a first seed key and a public encryption key, where the second seed key is used to encrypt communications. Accordingly, Patel fails to disclose or suggest each and every limitation of claims 1 and 14, as well as claims 2-5, 7, 12, 13, 15 and 16 at least by virtue of their dependency from one of claims 1 or 14.

Accordingly, it is respectfully submitted that the anticipation rejection of claims 1-5, 7 and 12-14 is improper at this time and the withdrawal of this rejection therefore is respectfully requested.

Obviousness Rejection of Claims 10, 11, 17-20, 24-32 and 35

At page 9 of the Office Action, claims 10, 11, 17-20, 24-32 and 35 were rejected under 35 U.S.C. Section 103(a) as being unpatentable over Patel. This rejection is respectfully traversed.

Claim 1 and 14 have been amended to recite the additional limitations of claim 10. Claim 11 depends from claim 1 and claims 17-20 depend from claim 14. As noted above, Patel fails to disclose or suggest at least the limitations of a video controller to (1) generate a second seed key using a first seed key and a public encryption key and (2) wherein the second seed key used to encrypt communications as recited by claims 1 and 14. The Office Action therefore fails to establish that Patel discloses or suggests each and every limitation of claims 10, 11 and 17-20 at least by virtue of their dependency from one of claims 1 or 14.

Claim 24, from which claims 25-32 and 35 depend, has been amended to recite the limitations of a video controller comprising a processing circuit to generate, using a first seed key and a public encryption key, a second seed key, said second seed key to encrypt communications between a system and the video controller. As noted above, Patel fails to disclose or suggest at least the limitations of a video controller to (1) generate a second seed key using a first seed key and a public encryption key and (2) wherein the second seed key used to encrypt communications as recited by claim 24. The Office Action therefore fails to establish

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that Patel discloses or suggests each and every limitation of claims 25-32 and 35 at least by virtue of their dependency from claim 24. Moreover, these claims recite additional limitations neither disclosed nor suggested by Patel. For example, as noted above, Patel fails to disclose or suggest using a public encryption key to select a plurality of private keys as recited by claim 26.

In view of the foregoing, it is respectfully submitted that the obviousness rejection of claims 10, 11, 17-20, 24-32 and 35 is improper at this time and the withdrawal of this rejection therefore is respectfully requested.

Clarification of Statement in Previous Response

The Applicant respectfully submits that the Examiner has taken statements made in the Applicant's previous response out of context. The Applicant did not intend to imply or suggest that a public encryption key "is used **only** to encrypt information" as stated by the Examiner. *See Office Action*, p. 2 (emphasis in original). Instead, the Applicant stated that "[o]ne of ordinary skill in the art will recognize that a public encryption key is one encryption key of a key pair that may be provided via non-secure means (i.e., 'publicly') since the public encryption key is used only to encrypt information, but cannot be used to decrypt that same information." *Response to the Office Action mailed May 6, 2004*, p. 9. Thus, when the entire statement is considered, rather than implying that a public key has only one use – to encrypt information – the Applicant's intent was to indicate that it is well known that in a public key encryption scheme, a public key is not used to decrypt data, but instead to encrypt data.

Conclusion

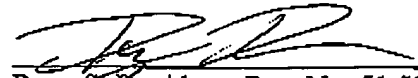
It is respectfully submitted that the present application is in condition for allowance and an early indication of the same is courteously solicited. The Examiner is respectfully requested to contact the undersigned by telephone at the below listed telephone number in order to expedite resolution of any issues and to expedite passage of the present application to issue, if any comments, questions, or suggestions arise in connection with the present application.

The Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account Number 50-0441.

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Respectfully submitted,

12 April 2005
Date


Ryan S. Davidson, Reg. No. 51,596
On Behalf of
J. Gustav Larson, Reg. No. 39,263
Attorney for Applicant
TOLER, LARSON & ABEL, L.L.P.
5000 Plaza On The Lake, Suite 265
Austin, Texas 78746
(512) 327-5515 (phone) (512) 327-5452 (fax)